

# DEIMOS UZA

## Ultra Zero Air Gas generator for GC

Reference : DEIMOS.UZA.[Flow rate]/1 (with compressor)



### Description

F-DGS's DEIMOS UZA Ultra Zero Air generators are some of the smallest and most efficient Hydrocarbon-free air systems for laboratory use. Utilising the PSA technology to remove water vapor and the heated catalyst technology to remove Total Hydrocarbon less than 0.05 ppm.

The DEIMOS UZA is available with integrated oil free air compressor using the **Energy Saving Technology mode (EST)**. It is extremely compact and quiet in operation.

The generator is controlled using the latest color in touch screen technology to display the process in real time, inlet / outlet pressure, Air Flow and status of the system with remote access for diagnostic control.



UNIQUE AND INTELLIGENT OPERATOR INTERFACE WITH REMOTE ACCESS

### Applications

GC-FID

GC-FPD

GC-NPD

CO2 analyzer

### Benefits & Savings

#### BETTER DETECTOR PERFORMANCE

The reduction of CO and hydrocarbons, including methane to < 0.05 ppm decreases the background noise level and gives the baseline much better stability, considerably increasing detector sensitivity and ensuring precise analytical results.

#### INCREASED LABORATORY EFFICIENCY

A constant, uninterrupted gas supply of guaranteed purity eliminates interruptions of analyses to change cylinders and reduces the amount of instrument re-calibrations required.

#### SAVE MONEY

The unit only requires connection to a suitable socket for model with integrated compressor. The investment can be paid back in less than one year.

#### IMPROVED SAFETY

Ultra Zero Air produced at low pressure and ambient temperature removes the need for high pressure cylinders

#### SECURITY OF SUPPLY

Do not requires external compressed air supply.

#### SIMPLE INSTALLATION

Gas generators can be installed in the laboratory, on or under a bench, eliminating the need for long gas lines from cylinders secured elsewhere

### Standard Features

- Intelligent color touch screen to provide simple and user friendly management of all functions of the unit
- With integral oil free air compressor
- Quiet thanks to the Soundproofed compressor box and anti-vibration features
- Auto start
- Audible alarm display and Visual maintenance indication with history log
- Outlet flow indicator
- Energy Saving Technology (EST) :
  - Switch off the compressor when gas supply is not required
  - Allowing low energy consumption and increasing durability of the compressor
- Remote PC monitoring and diagnostic analysis via USB to interface the unit with customer's PC software (allow to carry out checks and maintenance effectively, only via a remote connection)
- Compact design
- Fit with wheels

**ULTRA  
ZERO AIR**

MODELS	DEIMOS. UZA.1	DEIMOS. UZA.3	DEIMOS. UZA.6	DEIMOS. UZA.10	DEIMOS. UZA.20	DEIMOS. UZA.35	DEIMOS. UZA.50
GENERALS INFORMATIONS							
Max TOC Air Flow rate	1 L/min	3 L/min	6 L/min	10 L/min	20 L/min	35 L/min	50 L/min
Max TOC Air pressure	6 bar (87 psi)						
Total HCs out	< 0.05 ppm						
Total CO out	< 0.05 ppm						
H2O Dew Point	-50°C (-58°F)						
Particles	0.01 μ						
Touch screen	Touch screen (operating parameters, system status, alarms and maintenance)						
Max Relative Humidity	80% RH @ 25°C (77°F)						
Temperature range	From 5 - 25°C (41 - 77°F)						
Noise level @ 1M	< 50 dB (A)			< 52 dB (A)			
Dimensions (W x H x D)	47.5 x 66.2 x 65 cm (18.7" x 26" x 25,6")			47.5 x 66.2 x 79 cm (18.7" x 26" x 31")			
Weight (kg/lbs)	58 / 128			75 / 165			121 / 267
Electrical supply	220 - 240 V ac / 1 ph / 50 - 60 Hz						
	110 - 120 V ac / 1 ph / 50 - 60 Hz						
Power consumption	655 VA			1130 VA		1980 VA	
CONNECTIONS							
UZA Air outlet	G 1/4" (BSP) Female						
COMMUNICATION							
USB/PC Control	In series						



The products are guaranteed 24 months\*. Beyond, your investment continues to be supported by our maintenance program **[Gold Service]**. Our world class technical assistance offers Programmed preventive maintenance to ensure optimal performance of your Gas generator F-DGSI and a priority intervention in case of failure.

\*Year 2 of warranty subject to generator being serviced at end of the first year by a F-DGSI-approved agent in accordance with fixed annual maintenance schedule. For full terms and conditions, visit [www.f-dgs.com](http://www.f-dgs.com)



Certified Product

